

## ABSTRACT OF THE DISCLOSURE

5       The present invention provides an integrated analytical biochip and  
manufacturing method thereof, mainly by using a speedy and low-cost  
manufacturing process to integrate the Polymerase Chain Reaction ("PCR")  
reaction tank, Capillary Electrophoresis ("CE") channel and the fiber structure  
onto a single biochip, thus a DNA sample may be amplified via PCR on the  
10       biochip, and immediately driven into the CE channel for analysis in  
accordance with real-time online detection conducted through the fiber  
structure integrated on the biochip, such that a speedy and accurate process  
of biological sample detection and analysis can be achieved.

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